In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1.   (Currently Amended) A method of detecting an emitter signal using a scanning system, the method comprising acts of:

a) receiving a scan strategy to detect at least one emitter;

b) determining a size of the scan strategy; ~~and~~

c) determining a capacity of a receiver system used to implement the scan strategy[[.]]; and

d) determining whether the size of the scan strategy is within the capacity of the receiver system based, at least in part, on the act c).

2.   (Canceled)

3.   (Currently Amended) The method of claim ~~2~~1, further comprising an act of:

e) reducing the size of the scan strategy, if the size of the scan strategy is not within the capacity of the receiver.

4.   (Original) The method of claim 3, wherein the scan strategy includes a plurality of dwells and wherein the act b) further comprises acts of:

b1) determining a calibration size for the plurality of dwells; and

b2) determining a total size for the plurality of dwells.

5.   (Original) The method of claim 4, wherein the total size includes the calibration size.

6.   (Original) The method of claim 4, wherein each of the plurality of dwells has an associated instantaneous frequency (IF) bandwidth and the calibration size is based on sizes of a

calibration table associated with each of the plurality of dwells, the act b1) further comprising acts of:

determining the calibration size for each respective unique IF bandwidth by summing the sizes of the calibration tables associated with the dwells that are associated with the respective unique IF bandwidth.

7.   (Original) The method of claim 5, wherein the act c) further comprises an act of:

c1) expressing the capacity of the receiver system as a first limitation on the calibration size for each unique IF bandwidth and a second limitation on the total size for each unique IF bandwidth.

8.   (Original) The method of claim 7, wherein the act e) further comprises acts of:

e1) discarding dwells of the plurality of dwells that exceed the first limitation; and

e2) replacing the discarded dwells with new dwells, the new dwells having a narrower IF bandwidth than the discarded dwells.

9.   (Original) The method of claim 8, further comprising acts of:

e3) if the plurality of dwells associated with one of the unique IF bandwidths exceeds the second limitation, merging two dwells having a same hardware configuration.

10.   (Original) The method of claim 9, further comprising acts of:

f) transferring the scan strategy to the receiver system; and

g) executing the scan strategy on the receiver system.

11.   (Currently Amended) A computer-readable medium, having encoded thereon computer instructions which when executed by a computer system cause the computer system to perform a method comprising acts of:

a) receiving a scan strategy to detect at least one emitter;

b) determining a size of the scan strategy; ~~and~~

c) determining a capacity of a receiver system used to implement the scan strategy[[.]]; and

d) determining whether the size of the scan strategy is within the capacity of the receiver system based, at least in part, on the act c).

12.   (Canceled)

13.   (Currently Amended) The computer-readable medium of claim ~~12~~11, wherein the method further comprises an act of:

e) reducing the size of the scan strategy, if the size of the scan strategy is not within the capacity of the receiver.

14.   (Original) The computer-readable medium of claim 13, wherein the scan strategy includes a plurality of dwells and wherein the act b) further comprises acts of:

b1) determining a calibration size for the plurality of dwells; and

b2) determining a total size for the plurality of dwells.

15.   (Original) The computer-readable medium of claim 14, wherein the total size includes the calibration size.

16.   (Original) The computer-readable medium of claim 14, wherein each of the plurality of dwells has an associated instantaneous frequency (IF) bandwidth and the calibration size is based on sizes of a calibration table associated with each of the plurality of dwells, and the act b1) further comprises acts of:

determining the calibration size for each respective unique IF bandwidth by summing the sizes of the calibration tables associated with the dwells that are associated with the respective unique IF bandwidth.

17.   (Original) The computer-readable medium of claim 16, wherein the act c) further comprises an act of:

c1) expressing the capacity of the receiver system as a first limitation on the calibration size for each unique IF bandwidth and a second limitation on the total size for each unique IF bandwidth.

18.   (Previously Presented) The computer-readable medium of claim 7, wherein the act e) further comprises acts of:

e1) discarding dwells of the plurality of dwells that exceed the first limitation; and

e2) replacing the discarded dwells with new dwells, the new dwells having a narrower IF bandwidth than the discarded dwells.

19.   (Currently Amended) A system for detecting an emitter signal comprising:

a) a scan strategy to detect at least one emitter;

b) means for determining a size of the scan strategy; ~~and~~

c) means for determining a capacity of a receiver system used to implement the scan strategy[.]; and

d) means for determining if the size of the scan strategy is within the capacity of the receiver system based, at least in part, on the capacity of the receiver system.

20.   (Currently Amended) The system of claim 19, further comprising:

~~d) means for determining if the size of the scan strategy is within the capacity of the receiver system; and~~

e) means for reducing the size of the scan strategy, if the size of the scan strategy is not within the capacity of the receiver.